



Attorney Docket No. 9250-5CTIP4XX

8-27-08 JFW 1644/8

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Fischer et al. Confirmation No. 3082  
Serial No.: 10/019,087 Group Art Unit: 1644  
Filed: December 19, 2001 Examiner: P. Huynh  
For: METHOD FOR DETECTING A LIPOPROTEIN-ACUTE PHASE PROTEIN COMPLEX  
AND PREDICTING AN INCREASED RISK OF SYSTEM FAILURE OR MORTALITY

August 26, 2004

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT (37 C.F.R. § 1.97)**

Sir:

Attached is a list of documents on form PTO-1449, along with the copies of each document cited therein, except as identified below.

Certain items were previously filed in the above-identified application. For the Examiner's convenience, the attached PTO-1449 lists these references already of record, and Applicants have attempted to identify such references by drawing a line therethrough. The Examiner is requested to verify that such documents were already listed on a PTO-1449 or PTO-892 to ensure that Applicants have not made any mistakes.

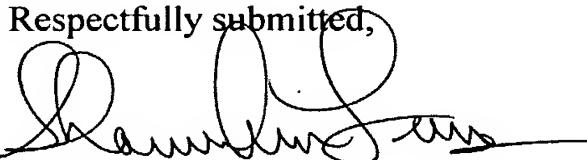
It is requested that these documents be considered by the Examiner and officially made of record in accordance with the provisions of 37 C.F.R. § 1.97 and Section 609 of the MPEP.

In accordance with the requirements of 37 C.F.R. § 1.97(c)(2), a check for the \$180.00 fee specified in 37 C.F.R. § 1.17(p) is enclosed. This amount is believed to be correct. However, the Commissioner is authorized to charge any deficiency or credit any overpayment to Deposit Account No. 50-0220.

08/27/2004 SSANDARA 00000009 10019087

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180.00 OP

Respectfully submitted,  
  
Shawna Cannon Lemon  
Registration No. 53,888

**Customer Number 20792**

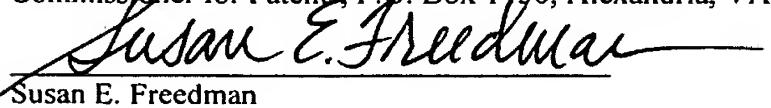
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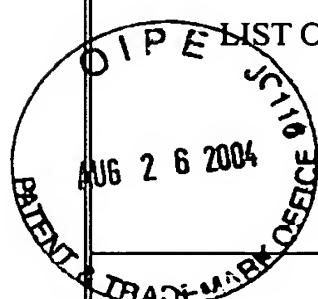
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Attorney Docket Number  
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Serial No.  
 10/019,087



**LIST OF DOCUMENTS CITED BY APPLICANT**

(Use several sheets if necessary)

Applicants: Fischer et al.

Filing Date: December 19, 2001 Group: 1644

**U. S. PATENT DOCUMENTS**

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	1.	3,307,392	03/07/67	Owen et al.	73	64.1	
	2.	3,458,287	07/29/69	Gross et al.	23	230	
	3.	3,658,480	04/25/72	Kane et al.	23	230 B	
	4.	4,040,788	8/9/77	Simons et al.	436	34	
	5.	4,047,890	09/13/77	Eichelberger et al.	23	230 B	
	6.	4,199,748	04/22/80	Bacus	340	146.3 CA	
	7.	4,217,107	08/12/80	Saito et al.	23	230 B	
	8.	4,279,616	07/21/81	Saito et al.	23	230 B	
	9.	4,289,498	09/15/81	Baughman et al.	23	230 B	
	10.	4,766,083	08/23/88	Miyashita et al.	436	517	
	11.	4,782,014	11/01/88	Serban et al.	435	7	
	12.	4,902,630	02/20/90	Bennett et al.	436	546	
	13.	4,965,725	10/23/90	Rutenberg	364	413.1	
	14.	4,998,535	03/12/91	Selker et al.	128	696	
	15.	5,003,065	03/26/91	Merritt et al.	540	469	
	16.	5,055,412	10/8/91	Proksch	436	69	
	17.	5,156,974	10/20/92	Grossman et al.	436	69	
	18.	5,169,786	12/08/92	Carroll et al.	436	69	
	19.	5,218,529	06/08/93	Meyer et al.	364	413.01	
	20.	5,221,628	06/22/93	Anderson et al.	436	5074	
	21.	5,358,852	10/25/94	Wu	435	7.94	
	22.	5,388,164	02/07/95	Yonekawa et al.	382	6	
	23.	5,473,551	12/05/95	Sato et al.	364	496	
	24.	5,473,732	12/05/95	Chang	395	77	
	25.	5,500,345	03/19/96	See et al.	435	7.1	
	26.	5,506,146	04/09/96	Josef	436	69	
	27.	5,525,477	6/96	Hassouna	436	69	

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**\*EXAMINER**

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	28.	5,526,111	6/96	Collins et al.	73	64.43	
	29.	5,553,616	09/10/96	Ham et al.	128	633	
	30.	5,563,983	10/08/96	Nozaki et al.	395	23	
	31.	5,567,596	10/96	Diamond et al.	435	13	
	32.	5,591,403	01/07/97	Gavin et al.	422	73	
	33.	5,593,897	01/14/97	Petempa et al.	436	507	
	34.	5,646,046	07/08/97	Fischer et al.	436	49	
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	38.	5,715,821	02/10/98	Faupel	1286	653.1	
	39.	5,716,795	02/10/98	Matschiner	435	13	
	40.	5,834,223	11/10/98	Griffin et al.	435	13	
	41.	5,856,114	01/05/99	Mann et al.	436	13	
	42.	5,862,304	01/19/99	Ravdin et al.	395	22	
	43.	5,981,285	11/99	Carroll et al.	702	23	
	44.	6,010,911	01/00	Baugh et al.	422	73	
	45.	6,040,147	03/21/00	Ridker et al.	435	7.24	
	46.	6,101,449	8/8/00	Givens et al.	702	22	
	47.	6,156,530	12/5/00	Rang.nby	435	40.5	
	48.	6,269,313	7/01	Givens et al.	702	22	
	49.	6,321,164	11/20/01	Braun et al.	702	22	

**FOREIGN PATENT DOCUMENTS**

		Document Number	Date	Country	Class	Subclass	Translation Yes   No
	50.	EP 818 680	01/14/98	EP	G01N	33/546	
	51.	EP 841 566	05/13/98	EP	G01N	33/96	
	52.	EP 0 115 459	08/08/84	Europe	G01N	33/68	
	53.	EP 0 434 377	06/26/91	Europe	G01N	33/86	
	54.	EP 0 525 273	02/03/93	Europe	G01N	33/49	

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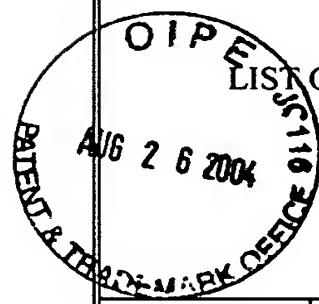
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	55.	FR 2364 453	09/08/76	France - Abstract	G01N	33/16	
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	57.	DE 3502 878	01/29/85	Germany - Abstract	C12Q	01/56	
	58.	GB 2005014	04/11/79	Great Britain	G01N	33/16	
	59.	JP 59-203959	11/19/84	Japan - Abstract	G01N	33/86	
	60.	JP 60-114768	06/21/85	Japan - Abstract	G01N	35/02	
	61.	JP 61-272655	12/02/86	Japan - Abstract	G01N	33/49	
	62.	JP 05-180835	12/27/91	Japan - Abstract	G01N	33/53	
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	65.	JP 06-249855	09/09/94	Japan - Abstract	G01N	33/86	
	66.	JP 10-104239	09/26/96	Japan - Abstract	G01N	33/86	
	67.	RU 2012877	04/01/91	Russia - Abstract	G01N	33/48	
	68.	RU 2061953	06/10/96	Russia - Abstract	G01N	33/86	
	69.	RU 2070327	12/10/96	Russia - Abstract	G01N	33/50	
	70.	SU 590665	02/11/76	SU - Abstract	G01N	33/16	
	71.	SU 1076086	02/29/84	SU - Abstract	A61B	5/14	
	72.	SU 1691741	08/25/89	SU - Abstract	G01N	33/48	
	73.	SU 1777089	06/08/90	SU - Abstract	G01N	33/86	
	74.	WO 86/06840	11/20/86	WIPO	G01N	33/86	
	75.	WO 89/09628	10/19/89	WIPO			
	76.	WO 91/00872	01/24/91	WIPO	C07K	15/28	
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	78.	WO 91/01497	02/07/91	WIPO	G01N	31/00	
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	83.	WO 93/09438	05/13/93	WIPO	G01N	33/68	
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	86.	WO 94/11714	05/26/94	WIPO	G01J	3/02	
	87.	WO 94/16095	07/21/94	WIPO	C12Q	1/00	
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	90.	WO 96/42018	09/06/95	WIPO	G01N	33/86	
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	99.	WO 98/09628	03/12/98	WIPO	A61K	31/495	
	100.	WO 99/34208	7/8/99	WIPO			
	101.	WO 99/47699	9/23/99	WIPO			
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	103.	<i>3 x 15 Test Kit for Detection of Plasma Protein C Activity Using a Clotting End-Point, Product # ACC-45, American Diagnostica Inc., 1-2 (Feb. 1989).</i>
	104.	<i>Aillaud et al., New Direct Assay of Free Protein S. Antigen Applied to Diagnosis of Protein S. Deficiency, Thrombosis and Haemostasis, Vol. 75, No. 2, 1996, pp. 283-285.</i>
	105.	<i>Artherotech, VAP/CAD Lipoprotein Risk Assessment Test and Sample of VAP Profile, <a href="http://www.artherotech.com/risk_assesment.html">http://www.artherotech.com/risk_assesment.html</a></i>
	106.	<i>Astion, et al., Overtraining in neural networks that interpret clinical data, Clin.Chem., 39(9):1998-2004 (1993).</i>
	107.	<i>Astion, et al., The application of backpropagation neural networks to problems in pathology and laboratory medicine, Arch. Pathol. Lab. Med., 116:995-1001 (Oct. 1992).</i>
	108.	<i>Baum and Haussler, What size net gives valid generalization?, Neural Computation, pg 81-89 (Jan. 1989)</i>
	109.	<i>Baumann et al., "Simulation of the extrinsic pathway of the plasmatic clotting system," Haemostasis, 21:329-337 (1991).</i>
	110.	<i>Baumann, et al., Computerized analysis of the in vitro activation of the plasmatic clotting system, Haemostasis, 19:309-321 (1989).</i>

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	111.	Bluestein and Archer, <i>The sensitivity, specificity and predictive value of diagnostic information: a guide for clinicians</i> , <i>Nurse Practitioner</i> , 16(7):39-45 (July 1991).	
	112.	Boone et al., <i>Neural networks in radiologic diagnosis</i> , <i>Investigative Radiology</i> , 25(9):1013-1023 (Sept. 1990).	
	113.	Brandt, et al., <i>Effect of lupus anticoagulants on the activated partial thromboplastin time. Results of the College of American Pathologists survey program</i> , <i>Arch.Pathol.Lab Med.</i> , 115:109-114 (Feb. 1991).	
	114.	Braun et al., <i>Examination of prothrombin time (PT) and activated partial thromboplastin time (APTT) optical clot profiles using an automated thrombosis-hemostasis</i> , <i>Coagulation Methods Instrumentation and Quality Control</i> , pg 1236, Abstract #1286 (1995).	
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	116.	<del>Cabana, et al., Effects of the acute phase response on the concentration and density distribution of plasma lipids and apolipoproteins</del> , <i>J.Lipid Res.</i> , 30:39-49 (1989).	
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	120.	Carrol, et al., <i>Ortho Educational Monograph, The Clot Signature and New Aspects in Coagulation Testing</i> , Ortho Diagnostic Systems, Inc., pg. 1-20 (1989).	
	121.	<del>Christner and Mortensen, Specificity of the binding interaction between human serum amyloid P component and immobilized human C reactive protein</del> , <i>J.Biol.Chem.</i> , 269(13):9760-9766 (April 1994).	
	122.	Dassen, et al., <i>Self-learning neural networks in electrocardiography</i> , <i>J.Electrocardiol.</i> , 23 Suppl:200-202 (1990).	
	123.	<del>de Beer, et al., Low density lipoprotein and very low density lipoprotein are selectively bound by aggregated C reactive protein</del> , <i>J.Exp.Med.</i> , 156:230-242 (July 1982).	
	124.	<del>Dennis et al., Utility of prothrombin time waveform analysis in the routine clinical setting</del> , <i>Abstract Instruction and Submission Form</i> , (Sept. 1999).	
	125.	Downey et al., <i>Early Identification and Prognostic Implications in Disseminated Intravascular Coagulation through Transmittance Waveform Analysis</i> , <i>Thromb. Haemost.</i> 1998; 80: 65-9.	
	126.	<del>Downey et al., Novel and diagnostically applicable information from optical waveform analysis of blood coagulation in disseminated intravascular coagulation</del> , <i>Br.J.Haematol.</i> , 98:68-73 (1997).	
	127.	<del>Downey et al., The robustness and reproducibility of APTT waveform analysis in relation to reagent and batch variation</del> , abstract only.	
	128.	<del>Downey et al., Transmittance waveforms—adjunctive information from automated coagulometers</del> , <i>Int.J.Hematol.</i> , 64 Suppl:S160, Abstract #619, (Aug. 1996).	
	129.	<del>Eitoku et al." Studies on the Serum Amyloid A (SAA): Part 2 Latex Agglutination Nephelometric</del>	

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		<i>Immunoassay System for Quantitation of SAA in Human Serum and its Clinical Values," Physics Chem. Biol., 37: 19-23 (Feb. 1993).</i>		
	130.	<i>Engler, R., [Acute phase proteins in inflammation], C.R. Seances Soc. Biol. Fil., 189(4):563-578 (1995).</i>		
	131.	<i>Furlong, et al., Neural network analysis of serial cardiac enzyme data. A clinical application of artificial machine intelligence, Am.J.Clin.Pathol., 96(1):134-141 (July 1991).</i>		
	132.	<i>Gewurz, et al., C reactive protein and the acute phase response, Adv. Intern. Med., 27:345-372 (1982).</i>		
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	140.	<i>Hulman and Fuller, Comparison of fat agglutination slide test and latex test for C reactive protein, Clin.Chim.Acta, 165:89-93 (5-29-1987).</i>		
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	143.	<i>Husebekk, et al., High density lipoprotein has different binding capacity for different apoproteins. The amyloidogenic apoproteins are easier to displace from high density lipoprotein, Scand.J.Immunol., 28:653-658 (1988).</i>		
	144.	<i>International Preliminary Examination Report for PCT/US01/18611.</i>		
	145.	<i>International Search Report, International Application No. PCT/US00/21022, Dated 22 January 2001.</i>		
	146.	<i>Khanin and Semenov, A mathematical model of the kinetics of blood coagulation, J.Theor.Biol., 136:127-134 (Jan. 1989).</i>		
	147.	<i>Koagulab 16-S Plus Graphics, Koagulab 32-S Coagulation System, Graphics Binder, 2,3,5,6,8-12, 14-17,19-21,23.</i>		
	148.	<i>Lagrand, et al., C reactive protein as a cardiovascular risk factor: more than an epiphomenon?, Circulation, 100:96-102 (July 1999).</i>		

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	149.	Lindh, et al., <u>Agglutinate formation in serum samples mixed with intravenous fat emulsions</u> , <u>Crit Care Med.</u> , 13(3):151-154 (March 1985).
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	151.	Maury, C.P.J. "Clinical Usefulness of Serum Amyloid A and C reactive Protein Measurements in Inflammatory Disorders a Comparative Study," <u>Marker Proteins in Inflammation Proceedings</u> , vol. 3, Symposium, Lyon, France, June 1985 (abstract only).
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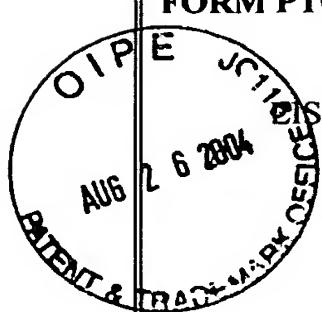
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<b>FORM PTO-1449</b> U.S. Department of Commerce Patent and Trademark Office			Attorney Docket Number 9250-5CTIP4XX	Serial No. 10/019,087
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